



Montgomery County and the Towns of Blacksburg and Christiansburg

Water Source Overview

Major sources are the New River, purchased water, and groundwater wells.

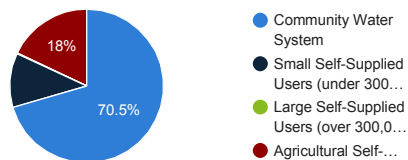
***Table 1:** Reported (2010) and projected (2040) water use by system type for Montgomery County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	5.935	8.592
Small Self-Supplied Users (under 300,000 gal/month)	0.960	1.440
Large Self-Supplied Users (over 300,000 gal/month)	0.013	0.019
Agricultural Self-Supplied Users	1.512	1.512

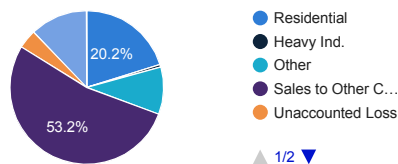
Water Use by System Type

Approximately 9,342 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Montgomery County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
1.97	6.45	2.56	9.01

***Figure 3:** Montgomery County highlighted in the Commonwealth of Virginia



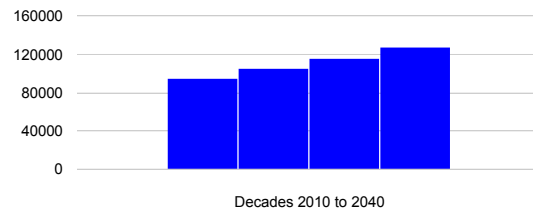
Projected Water Demand

Population and demand are projected to increase through the planning period. Existing water sources are expected to meet projected demands.

***Table 3:** Montgomery County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

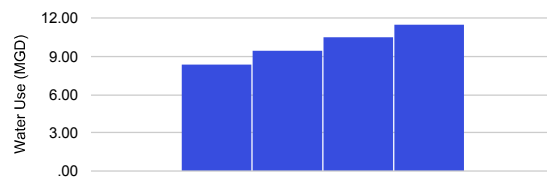
2010	2020	2030	2040	% Change (2010-2040)
94,392	105,293	116,278	127,338	35.1%

***Figure 4:** Montgomery County population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Montgomery County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
8.42	9.47	10.51	11.56	37.3%



Drought Management Practices

The County and Towns adopted ordinances for the implementation and enforcement of Drought Response and Contingency Plans. (New River Valley Regional WSP and the Blacksburg/Christiansburg Regional WSP)